



1224A SERIES™, 1324A SERIES™

CAST IRON CONSTRUCTION | UNIVERSAL PRODUCT LINE

ABOUT O-PRO®

Viking Pump® is the leader in internal gear innovation and the latest development is the O-Pro® seal technology. This new series benefits from the enhancement of our own factory engineered and installed seal. This technology features a robust seal and lubrication chamber, all in one.

FEATURES & BENEFITS

- Rugged design provides superior performance in many markets
- Tight clearances offer high efficiency and excellent priming capabilities
- O-Pro® Barrier combines reliable sealing with easy maintenance
- Integral jacket chambers in the bracket and head maintain even temperature for constant, efficient heating

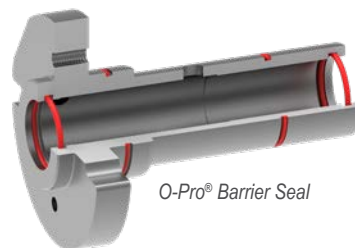


Threaded one-piece bearing housing allows for easy end clearance adjustment and seal removal

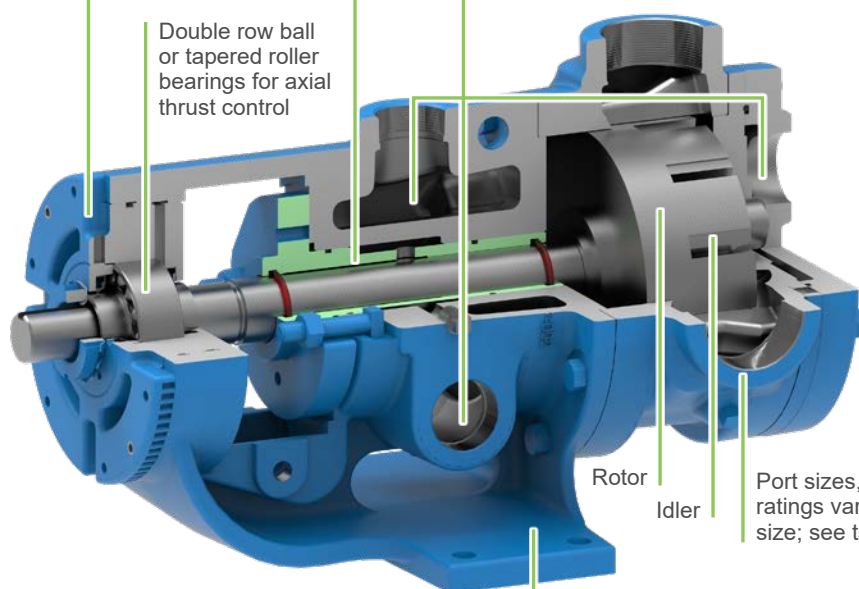
Double row ball or tapered roller bearings for axial thrust control

O-Pro® Barrier is a single piece seal that replaces both the bracket bushing and seal

Jacketing for steam, hot oil, or water circulation to maintain a constant temperature



O-Pro® Barrier Seal



Rotor
Idler

Port sizes, types, and ratings vary by pump size; see table on back

One-piece cast bracket with seal between bearings provides rigid foundation to maximize seal and bearing life

KK1224A
Shown with O-Pro® Barrier Seal



CAPACITY
to 1,500 GPM
(340 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



VISCOSITY*
100 to 2,000,000 SSU
(20 to 440,000 cSt)



TEMPERATURE*
0°F to +350°F
(-15°C to +175°C)

* Range may increase with end clearance adjustment

PERFORMANCE

MODELS	SPECIFICATIONS					
Jacketed	Performance			Standard Ports		
O-Pro™ Barrier Seal	Max Speed, RPM	GPM	m³/h	Size, Inches	Type	Orientation
H1224A	1000	8	1.8	1.5	NPT	Right Angle
HL1224A	1000	18	4	1.5	NPT	Right Angle
K1224A	780	80	18	2	NPT	Right Angle
KK1224A	780	100	23	2	NPT	Right Angle
L1224A	640	135	31	2	NPT	Right Angle
LQ1224A	640	135	31	2.5	Flange	Right Angle
LL1224A	520	140	32	3	Flange	Right Angle
LS1224A	640	200	45	3	Flange	Right Angle
Q1224A	470	275	62	4	Flange	Right Angle
QS1224A	470	400	91	6	Flange	Opposite
N1324A	330	535	122	6	Flange	Opposite
R1324A	260	1,000	227	8	Flange	Opposite
RS1324A	260	1,500	340	10	Flange	Opposite

*1324A Series™ includes jacketed parts as standard.

PORTING

- Right Angle (90°) (Rotatable Casing), H-Q
- Opposite (180°), QS-RS
- NPT / BSP
- Flanged (ANSI)

SEALING

- O-Pro® Barrier Seal

MOUNTING

- Foot Mount

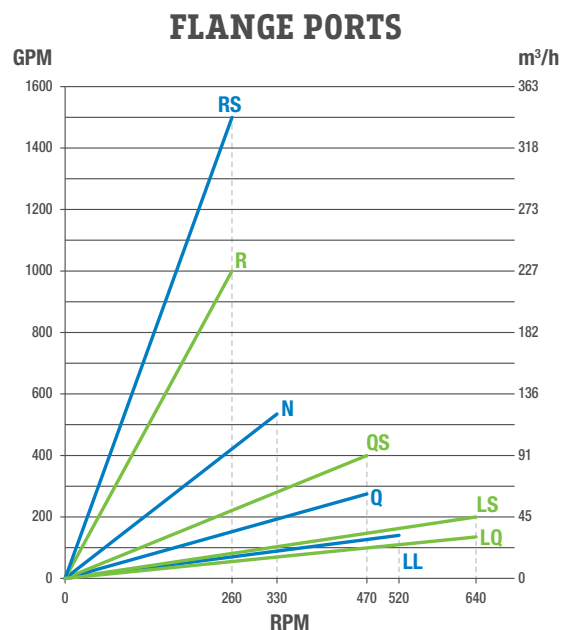
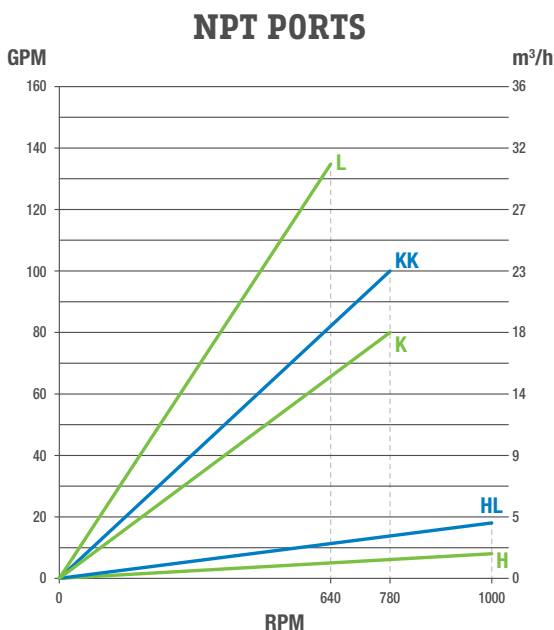
OPTIONS

- Non-Jacketed (1124A Series™)
- Stainless Steel (1227A Series™ and 1327A Series™)

TYPICAL APPLICATIONS

- Adhesives
- Polymers
- Liquid Sugars
- Asphalt & Bitumens
- Resins
- Refined Fuels
- Chocolate
- Edible Oils

CURVES



Note: O-Pro® Barrier Seal is patented.

VIKING PUMP®

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